SEQUENCE LISTING

Seq. ID No.1

```
5'- 1 GATCCAACTA AACCCGATGG AACCCCGCGC AAACTATTGG ACGTCTCCGC GCTACGCAGT
   61 TGGGTTGGCG CCCGCGAATC GCACTGAAAG AGGGCATCGA TGCAACGGTG TCGTGGTACC
  121 GCACAAATGC CGATGCCGTG AGGAGGTAAA GCTGCGGGCC GGCCGATGTT ATCCCTCCGG
  181 CCGGACGGGT AGGGCGACCT GCCATCGAGT GGTACGGCAG TCGCCTGGCC GGCGAGGCGC
  241 ATGGCCTATG TGAGTATCCC ATAGCCTGGC TTGGCTCGCC CCTACGCATT ATCAGTTGAC
  301 CGCTTTCGCG CCACGTCGCA GGCTTGCGGC AGCATCCCGT TCAGGTCTCC TCATGGTCCG
  361 GTGTGGCACG ACCACGCAAG CTCGAACCGA CTCGTTTCCC AATTTCGCAT GCTAATATCG
  421 CTCGATGGAT TTTTTGCGCA ACGCCGGCTT GATGGCTCGT AACGTTAGCA CCGAGATGCT
  481 GCGCCACTCC GAACGAAAGC GCCTATTAGT AAACCAAGTC GAAGCATACG GAGTCAACGT
  541 TGTTATTGAT GTCGGTGCTA ACTCCGGCCA GTTCGGTAGC GCTTTGCGTC GTGCAGGATT
  601 CAAGAGCCGT ATCGTTTCCT TTGAACCTCT TTCGGGGCCA TTTGCGCAAC TAACGCGCAA
  661 GTCGGCATCG GATC -3'
```

Seq. ID No.2

```
5'- 1 GATCCGATGC CGACTTGCGC GTTAGTTGCG CAAATGGCCC CGAAAGAGGT TCAAAGGAAA
   61 CGATACGGCT CTTGAATCCT GCACGACGCA AAGCGCTACC GAACTGGCCG GAGTTAGCAC
  121 CGACATCAAT AACAACGTTG ACTCCGTATG CTTCGACTTG GTTTACTAAT AGGCGCTTTC
  181 GTTCGGAGTG GCGCAGCATC TCGGTGCTAA CGTTACGAGC CATCAAGCCG GCGTTGCGCA
  241 AAAAATCCAT CGAGCGATAT TAGCATGCGA AATTGGGAAA CGAGTCGGTT CGAGCTTGCG
  301 TGGTCGTGCC ACACCGGACC ATGAGGAGAC CTGAACGGGA TGCTGCCGCA AGCCTGCGAC
  361 GTGGCGCGAA AGCGGTCAAC TGATAATGCG TAGGGGCGAG CCAAGCCAGG CTATGGGATA
  421 CTCACATAGG CCATGCGCCT CGCCGGCCAG GCGACTGCCG TACCACTCGA TGGCAGGTCG
  481 CCCTACCCGT CCGGCCGGAG GGATAACATC GGCCGGCCCG CAGCTTTACC TCCTCACGGC
  541 ATCGGCATTT GTGCGGTACC ACGACACCGT TGCATCGATG CCCTCTTTCA GTGCGATTCG
  601 CGGGCGCCAA CCCAACTGCG TAGCGCGGAG ACGTCCAATA GTTTGCGCGG GGTTCCATCG
  661 GGTTTAGTTG GATC -3'
```

Seq. ID No.3

```
   1  GAATTCTGGG TTGGAGACGA CGTCGAACTC CTGGTCGGTC TTGCTTCGAA
  51  TGATCGCTGT GATCTGGTCG GCGGTGCCGA CAGGAACCGT CGACTTGTCG
 101  ACGATCACCT TGTACCGGTC GATGTATGAC CCAATGTCGT CCGCAACCGA
 151  GAAGACGTAC GTCAGGTCCG CCGCCCCGCT TTCACCCATG GGCGTCGGGA
 201  CGGCGATGAA AATGACGTCC GCGTGCTCGA TTCCGCGTTG CCGGTCGGTG
 251  GTGAAGTCAA TCAGCCCGTT CTCACGGTTC CTCGCAATCA ACTCCCAACC
 301  CGGGCTCGAA AATCGGGACA CTGCCTGCGA GGAGCAAATC GATCTTGGCC
 351  TGATCGATAT CGACACAGAC GACATCGTTG CCGCTATCCG CGAGACAGGC
 401  GCCCGTGACG AGGCCTACAT AGCCTGATCC GACCACCGAA ATTTTCAAGA
 451  TGACCCCTTC AAGTCCCCGA TCGGTCGACG ACCATACTGC CGCAACTCTG
 501  TACCCTCCGT GGGTAATTCG CATGTCGCGT TCGTAAGGAG CAGCCAGCGA
 551  GTCGGGGACG TTCGGTGAGA GAGTCGCAGG ACTACGAGGT TGCCGGTGCG
 601  ATACATCACA GTGTTGCGTC TGTCGGCAAC GATGCAGCAA GAACCCACGG
 651  GGCAGCCCTG AACTGCGCGC ATGACCGGTC CTTGTCCTGG CACCTTTGAT
 701  CGGCCACCGC TTCCATGCGA ACATGACCGG AATCCATAGC GCGTGGTCAA
 751  GCAGCGGGGA GGTAGACGTC GGTGTCATCT GCTCCAACCG TGTCGGTGAT
 801  AACGATTTCG CTGAACGATC TCGAGGGATT GAAAAGCACC GTGGAGAGCG
 851  TTCGCGCGCA GCGCTATGGG GGGCGAATCG AGCACATCGT CATCGACGGT
 901  GGATCGGGCG ACGCCGTCGT GGAGTATCTG TCCGGCGATC CTGGCTTTGC
 951  ATATTGGCAA TCTCAGCCCG ACAACGGGAG ATATGACGCG ATGAATCAGG
1001  GCATTGCCCA TTCGTCGGGC GACCTGTTGT GGTTTATGCA CTCCACGGAT
1051  CGTTTCTCCG ATCCAGATGC AGTCGCTTCC GTGGTGGAGG CGCTCTCGGG
1101  GCATGGACCA GTACGTGATT TGTGGGGTTA CGGGAAAAAC AACCTTGTCG
1151  GACTCGACGG CAAACCACTT TTCCCTCGGC CGTACGGCTA TATGCCGTTT
1201  AAGATGCGGA AATTTCTGCT CGGCGCGACG GTTGCGCATC AGGCGACATT
1251  CTTCGGCGCG TCGCTGGTAG CCAAGTTGGG CGGTTACGAT CTTGATTTTG
1301  GACTCGAGGC GGACCAGCTG TTCATCTACC GTGCCGCACT AATACGGCCT
1351  CCCGTCACGA TCGACCGCGT GGTTTGCGAC TTCGATGTCA CGGGACCTGG
1401  TTCAACCCAG CCCATCCGTG AGCACTATCG GACCCTGCGG CGGCTCTGGG
1451  ACCTGCATGG CGACTACCCG CTGGGTGGGC GCAGAGTGTC GTGGGCTTAC
1501  TTGCGTGTGA AGGAGTACTT GATTCGGGCC GACCTGGCCG CATTCAACGC
1551  GGTAAAGTTC TTGCGAGCGA AGTTCGCCAG AGCTTCGCGG AAGCAAAATT
1601  CATAGAAACC AACTTCTACT GCCTGACCTG AGCAGCGCCG AGGCGCGCAG
1651  CGCGATCAGT GCGACCTGAA CGGCCAGGTG GAAAGCGCCA CCGATCCCGG
1701  CACCGAGTGC CTGACGCTTC GGATCCCTTG CACCACAACG AGAGTGAGAG
1751  CGCCATGATG AGGAAATATC GGCTGGGCGG AGTCAACGCC GGAGTGACAA
1801  AAGTGAGAAC CCGGTGAAGC GAGCGCTTAT AACAGGGATC ACGGGGCAGG
1851  ATGGTTCCTA CCTCGCCGAG CTACTACTGA GCAAGGGATA CGAGGTTCAC
1901  GGGCTCGTTC GTCGAGCTTC GACGTTTAAC ACGTCGCGGA TCGATCACCT
1951  CTACGTTGAC CCACACCAAC CGGGCGCGCG CTTGTTCTTG CACTATGCAG
2001  ACCTCACTGA CGGCACCCGG TTGGTGACCC TGCTCAGCAG TATCGACCCG
2051  GATGAGGTCT ACAACCTCGC AGCGCAGTCC CATGTGCGCG TCAGCTTTGA
2101  CGAGCCAGTG CATACCGGAG ACACCACCGG CATGGGATCG ATCCGACTTC
2151  TGGAAGCAGT CCGCCTTTCT CGGGTGGACT GCCGGTTCTA TCAGGCTTCC
2201  TCGTCGGAGA TGTTCGGCGC ATCTCCGCCA CCGCAGAACG AATCGACGCC
2251  GTTCTATCCC CGTTCGCCAT ACGGCGCGGC CAAGGTCTTC TCGTACTGGA
2301  CGACTCGCAA CTATCGAGAG GCGTACGGAT TATTCGCAGT GAATGGCATC
2351  TTGTTCAACC ATGAGTCCCC CCGGCGCGGC GAGACTTTCG TGACCCGAAA
2401  GATCACGCGT GCCGTGGCGC GCATCCGAGC TGGCGTCCAA TCGGAGGTCT
2451  ATATGGGCAA CCTCGATGCG ATCCGCGACT GGGGCTACGC GCCCGAATAT
2501  GTCGAGGGGA TGTGGAGGAT GTTGCAAGCG CCTGAACCTG ATGACTACGT
```

```
2551  CCTGGCGACA GGGCGTGGTT ACACCGTACG TGAGTTCGCT CAAGCTGCTT
2601  TTGACCATGT CGGGCTCGAC TGGCAAAAGC GCGTCAAGTT TGACGACCGC
2651  TATTTGCGTC CCACCGAGGT CGATTCGCTA GTAGGAGATG CCGACAAGGC
2701  GGCCCAGTCA CTCGGCTGGA AAGCTTCGGT TCATACTGGT GAACTCGCGC
2751  GCATCATGGT GGACGCGGAC ATCGCCGCGT TGGAGTGCGA TGGCACACCA
2801  TGGATCGACA CGCCGATGTT GCCTGGTTGG GGCAGAGTAA GTTGACGACT
2851  ACACCTGGGC CTCTGGACCG CGCAACGCCC GTGTATATCG CCGGTCATCG
2901  GGGGCTGGTC GGCTCAGCGC TCGTACGTAG ATTTGAGGCC GAGGGGTTCA
2951  CCAATCTCAT TGTGCGATCA CGCGATGAGA TTGATCTGAC GGACCGAGCC
3001  GCAACGTTTG ATTTTGTGTC TGAGACAAGA CCACAGGTGA TCATCGATGC
3051  GGCCGCACGG GTCGGCGGCA TCATGGCGAA TAACACCTAT CCCGCGGACT
3101  TCTTGTCCGA AAACCTCCGA ATCCAGACCA ATTTGCTCGA CGCAGCTGTC
3151  GCCGTGCGTG TGCCGCGGCT CCTTTTCCTC GGTTCGTCAT GCATCTACCC
3201  GAAGTACGCT CCGCAACCTA TCCACGAGAG TGCTTTATTG ACTGGCCCTT
3251  TGGAGCCCAC CAACGACGCG TATGCGATCG CCAAGATCGC CGGTATCCTG
3301  CAAGTTCAGG CGGTTAGGCG CCAATATGGG CTGGCGTGGA TCTCTGCGAT
3351  GCCGACTAAC CTCTACGGAC CCGGCGACAA CTTCTCCCCG TCCGGGTCGC
3401  ATCTCTTGCC GGCGCTCATC CGTCGATATG AGGAAGCCAA AGCTGGTGGT
3451  GCAGAAGAGG TGACGAATTG GGGGACCGGT ACTCCGCGGC GCGAACTTCT
3501  GCATGTCGAC GATCTGGCGA GCGCATGCCT GTTCCTTTTG GAACATTTCG
3551  ATGGTCCGAA CCACGTCAAC GTGGGCACCG GCGTCGATCA CAGCATTAGC
3601  GAGATCGCAG ACATGGTCGC TACAGCGGTG GGCTACATCG GCGAAACACG
3651  TTGGGATCCA ACTAAACCCG ATGGAACCCC GCGCAAACTA TTGGACGTCT
3701  CCGCGCTACG CGAGTTGGGT TGGCGCCCGC GAATCGCACT GAAAGACGGC
3751  ATCGATGCAA CGGTGTCGTG GTACCGCACA AATGCCGATG CCGTGAGGAG
3801  GTAAAGCTGC GGGTCGGCCG ATGTTATCCC TCCGGCCGGA CGGGTGGGGC
3851  GACCTGCCGT CGAGTGGTAC GGCAGTCGCC TGGCCGGCGA GGCGCGTGGC
3901  CTATGGGAGT ATCCAATAGC CTGGCTTGGC TCGCCCCTAC GCATTATCAG
3951  TTGACCGCTT TCGCGCCAGC TCGCAGGCTT GCGGCAGCAT CCCGTTCAGG
4001  TCTCCTCATG GTCCGGTGTG GCACGACCAC GCAAGCTCGA ACCGACTCGT
4051  TTCCCAATTT CGCATGCTAA TATCGCTCGA TGGATTTTTT GCGCAACGCC
4101  GGCTTGATGG CTCGTAACGT TAGTACCGAG ATGCTGCGCC ACTTCGAACG
4151  AAAGCGCCTA TTAGTAAACC AATTCAAAGC ATACGGAGTC AACGTTGTTA
4201  TTGATGTCGG TGCTAACTCC GGCCAGTTCG GTAGCGCTTT GCGTCGTGCA
4251  GGATTCAAGA GCCGTATCGT TTCCTTTGAA CCTCTTTCGG GGCCATTTGC
4301  GCAACTAACG CGCAAGTCGG CATCGGATCC ACTATGGGAG TGTCACCAGT
4351  ATGCCCTAGG CGACGCCGAT GAGACGATTA CCATCAATGT GGCAGGCAAT
4401  GCGGGGGCAA GTAGTTCCGT GCTGCCGATG CTTAAAAGTC ATCAAGATGC
4451  CTTTCCTCCC GCGAATTATA TTGGCACCGA AGACGTTGCA ATACACCGCC
4501  TTGATTCGGT TGCATCAGAA TTTCTGAACC CTACCGATGT TACTTTCCTG
4551  AAGATCGACG TACAGGGTTT CGAGAAGCAG GTTATCACGG GCAGTAAGTC
4601  AACGCTTAAC GAAAGCTGCG TCGGCATGCA ACTCGAACTT TCTTTTATTC
4651  CGTTGTACGA AGGTGACATG CTGATTCATG AAGCGCTTGA ACTTGTCTAT
4701  TCCCTAGGTT TCAGACTGAC GGGTTTGTTG CCCGGCTTTA CGGATCCGCG
4751  CAATGGTCGA ATGCTTCAAG CTGACGGCAT TTTCTTCCGT GGGGACGATT
4801  GACATAAATG CTCCGTCGGC ACCCTGCCGG TATCCAAACG GGCGATCTGG
4851  TGAGCCGGCC TCCCGGGCAC CTAATCGACT ATCTAAATTG AGGCGGCCGC
4901  GACGTGCGGC ACGAACAGGT GGCCGGCTGC TAGCGTTACA CACGTCATGA
4951  CTGCGCCAGT GTTCTCGATA ATTATCCCTA CCTTCAATGC AGCGGTGACG
5001  CTGCAAGCCT GCCTCGGAAG CATCGTCGGG CAGACCTACC GGGAAGTGGA
5051  AGTGGTCCTT GTCGACGGCG GTTCGACCGA TCGGACCCTC GACATCGCGA
5101  ACAGTTTCCG CCCGGAACTC GGCTCGCGAC TGGTCGTTCA CAGCGGGCCC
5151  GATGATGGCC CCTACGACGC CATGAACCGC GGCGTCGGCG TGGCCACAGG
```

```
5201  CGAATGGGTA CTTTTTTTAG GCGCCGACGA CACCCTCTAC GAACCAACCA
5251  CGTTGGCCCA GGTAGCCGCT TTTCTCGGCG ACCATGCGGC AAGCCATCTT
5301  GTCTATGGCG ATGTTGTGAT GCGTTCGACG AAAAGCCGGC ATGCCGGACC
5351  TTTCGACCTC GACCGCCTCC TATTTGAGAC GAATTTGTGC CACCAATCGA
5401  TCTTTTACCG CCGTGAGCTT TTCGACGGCA TCGGCCCTTA CAACCTGCGC
5451  TACCGAGTCT GGGCGGACTG GGACTTCAAT ATTCGCTGCT TCTCCAACCC
5501  GGCGCTGATT ACCCGCTACA TGGACGTCGT GATTTCCGAA TACAACGACA
5551  TGACCGGCTT CAGCATGAGG CAGGGGACTG ATAAAGAGTT CAGAAAACGG
5601  CTGCCAATGT ACTTCTGGGT TGCAGGGTGG GAGACTTGCA GGCGCATGCT
5651  GGCGTTTTTG AAAGACAAGG AGAATCGCCG TCTGGCCTTG CGTACGCGGT
5701  TGATAAGGGT TAAGGCCGTC TCCAAAGAAC GAAGCGCAGA ACCGTAGTCG
5751  CGGATCCACA TTGGACTTCT TTAACGCGTT TGCGTCCTGA TCCACCTTTC
5801  AAGCCCGTTC CGCGTAACGC GGCGCGCAGA GAGTGGTCGC ATATCGCATC
5851  ACTGTTCTCG TGCCAGTGCT TGGAAAGCGT CGAGCACTCT GGTTCGCGTT
5901  CTTGACGTTC GCGCCCGCTC CTAGAGGTAG CGTGTCACGT GACTGAAGCC
5951  AATGAGTGCA ACTCGGCGTC GCGAAAGGTT TCAGTCGCGG TTGAGCAAGA
6001  CACCGCAAGA CTACTGGAGT GCGTGCACAA GCGCCTCCAG CTCGCGGCTG
6051  AAAGCGGATG CAAAGGGATT CGAAGCTTGA GCAACATGCG AAGGGGAGAA
6101  CGGCCTATGA GGCTGGGACA GGTTTTCGAT CCGCGCGCGA ATGCACTGTC
6151  AATGGCCAAG TAGAAGTCCC CGCTGGTGGC CAGCAGAAGT CCCCACTCCG
6201  CTGCGGGTGG TTGGCTAATT CTTGGCGGCT CCCTTCTTGT GGTCGGCGTG
6251  GCGCATCCGG TAGGACTCGC CGGAGGTGAC GACGATGCTG GCGTGGTGCA
6301  GCAGCCGATC GAGGATGCTG GCGGCGGTGG TGTGCTCGGG CAGGAATCGC
6351  CCCCATTGTT CGAAGGGCCA ATGCGAGGCG ATGGCCAGGG AGCGGCGCTC
6401  GTAGCCGGCA GCCACGAGCC GGAACAACAG TTGAGTCCCG GTGTCGTCGA
6451  GCGGGGCGAA GCCGATCTCG TCCAAGATGA CCAGATCCGC GCGGAGCAGG
6501  GTGTCGATGA TCTTGCCGAC GGTGTTGTCG GCCAGGCCGC GGTAGAGGAC
6551  CTCGATCAGG TCGGCGGCGG TGAAGTAGCG GACTTTGAAT CCGGCGTGGA
6601  CGGCAGCGTG CCCGCAGCCG ATGAGCAGGT GACTTTTGCC CGTACCAGGT
6651  GGGCCAATGA CCGCCAGGTT CTGTTGTGCC CGAATCCATT CCAGGCTCGA
6701  CAGGTAGTCG AACGTGGCTG CGGTGATCGA CGATCCGGTG ACGTCGAACC
6751  CGTCGAGGGT CTTGGTGACC GGGAAGGCTG CGGCCTTGAG ACGGTTGGCG
6801  GTGTTGGAGG CATCGCGGGC AGCGATCTCG GCCTCAACCA ACGTCCGCAG
6851  GATCTCCTCC GGTGTCCAGC GTTGCGTCTT GGCGACTTGC AACACCTCGG
6901  CGGCGTTGCG GCGCACCGTG GCCAGCTTCA ACCGCCGCAG CGCCGCGTCA
6951  AGGTCAGCAG CCAGCGGTGC CGCCGAGGAC GGTGCCACCG GCTTGGCAGC
7001  GGTGGTCATG AGGCCGTCCC GTCGGTGGTG TTGATCTTGT AGGCCTCCAA
7051  CGAGCGGGTC TCGACGGTGG GCAGATCGAG CACGAGTGCG TCGCCGGCGG
7101  GGCGGGGTTG TGGGGTGCCG GCGCCGGCGG CCAGGATCGA GCGCACGTCG
7151  GCAGCGCGGA ACCGGCGAAA CGCAACCGCC CGGCGCAGCG CGTCAATCAA
7201  AGCCTGTTCG CCGTGGGCGG CGCCAAGGCC GAGCAGAATG TCGAGTTCGG
7251  ATTTCAGTCG GGTGTTGCCG ATCGCAGCAG CACCGACGAG GAACTGCTGC
7301  GCTTCGGTTC CCAATGCGCA GAATCGTTTC TCTGCTTGGG TTTTCGGGCG
7351  AGGACCACGC GAGGGTGCGG GTCTGGGTCC GTCGTAGTGT TCATCGAGGA
7401  TGGACACCTC ACCTGGGCTG ACGAGCTCGT GCTCGGCCAC GATCACACCG
7451  GTCGCAGGTT CCAACAGGAT CAGGGCGCCA TGATCGACCA CCACCGCCAC
7501  GGTGGCACCG ACGAGCCGCT GAGGCACCGA GTAACGAGCT GAGCCGTAAC
7551  GGATGCACGA GAGGCCGTCG ACCTTACGGC GCACCGACCC CGAGCCGATC
7601  GTCGGCCGCA GCGAGGGCAG CTCCCTCAAG ACGGTGCGCT CGTCAACCAA
7651  GCGATCGTTG GGCACGGCGC AGATCTCCGA GTGGACCGTG GCATTGACCT
7701  CGGCGCACCA TAGTTGCGCC TGGGCGTTGA GGGCACGTAG GTCGACCTGC
7751  TCACCGGCTA ACGCAGCTTC GGTCAGCAGC GGCACCGCAA GGTCGTCCTG
7801  AGCGTAGCCA CAGAGGTTCT CCACGATGCC CTTCGATTGC GGATCCGCAC
```

7851 CGTGGCAGAA GTCCGGAACG AAGCCATAGT GGGACGCGAA TCGCACATAA
7901 TCCGGTGTTG GAACAACAAC ATTGGCGACG ACACCACCTT TGAGGCAGCC
7951 CATCCGGTCG GCCAGGATCT TGGCCGGAAC CCCACCGATC GCCTC

Seq. ID No.4

1 TTCTACTGCC TGACCTGAGC AGCGCCGAGG CGCGCAGCGC GATCACTGCG ACCTGAATGG
61 CCAGGTGGAA AGCGCCACCG ATCCCGGCAC CGAGTGCCTG ACGATTCGGA TCCCTTGCAC
121 CACAACGAGA GTGAGACCGC CATGATGACG AAATATCGGC TGGGCGGAGT CAACGCCGGA
181 GTGACAAAAG TGAGAACCCG GTGAAGCGAG CGCTTATAAC AGGGATCACG GGGCAGGATG
241 GTTCCTACCT CGCCGAGCTA CTACTGAGCA AGGGATACGA GGTTCACGGG CTCGTTCGTC
301 GAGCTTCGAC GTTTAACACG TCGCGGATCG ATCACCTCTA CGTTGACCCA CACCAACCGG
361 GCGCGCGCTT GTTCTTGCAC TATGCAGACC TCACTGACGG CACCCGGTTG GTGACCCTGC
421 TCAGCAGTAT CGACCCGGAT GAGGTCTACA ACCTCGCAGC GCAGTCCCAT GTGCGCGTCA
481 GCTTTGACGA GCCAGTGCAT ACCGGAGACA CCACCGGCAT GGGATCGATC CGACTTCTGG
541 AAGCAGTCCG CCTTTCTCGG GTGGACTGCC GGTTCTATCA GGCTTCCTCG TCGGAGATGT
601 TCGGCGCATC TCCGCCACCG CAGAACGAAT CGACGCCGTT CTATCCCCGT TCGCCATACG
661 GCGCGGCCAA GGTCTTCTCG TACTGGACGA CTCGCAACTA TCGAGAGGCG TACGGATTAT
721 TCGCAGTGAA TGGCATCTTG TTCAACCATG AGTCCCCCCG GCGCGGCGAG ACTTTCGTGA
781 CCCGAAAGAT CACGCGTGCC GTGGCGCGCA TCCGAGCTGG CGTCCAATCG GAGGTCTATA
841 TGGGCAACCT CGATGCGATC CGCGACTGGG GCTACGCGCC CGAATATGTC GAGGGGATGT
901 GGAGGATGTT GCAAGCGCCT GAACCTGATG ACTACGTCCT GGCGACAGGG CGTGGTTACA
961 CCGTACGTGA GTTCGCTCAA GCTGCTTTTG ACCACGTCGG GCTCGACTGG CAAAAGCACG
1021 TCAAGTTTGA CGACCGCTAT TTGCGCCCCA CCGAGGTCGA TTCGCTAGTA GGAGATGCCG
1081 ACAGGGCGGC CCAGTCACTC GGCTGGAAAG CTTCGGTTCA TACTGGTGAA CTCGCGCGCA
1141 TCATGGTGGA CGCGGACATC GCCGCGTCGG AGTGCGATGG CACACCATGG ATCGACACGC
1201 CGATGTTGCC TGGTTGGGGC GGAGTAAGTT GACGACTACA CCTGGGCCTC TGGACCGCGC
1261 AACGCCCGTG TATATCGCCG GTCATCGGGG GCTGGTCGGC TCAGCGCTCG TACGTAGATT
1321 TGAGGCCGAG GGGTTCACCA ATCTCATTGT GCGATCACGC GATGAGATTG ATCTGACGGA
1381 CCGAGCCGCA ACGTTTGATT TTGTGTCTGA GACAAGACCA CAGGTGATCA TCGATGCGGC
1441 CGCACGGGTC GGCGGCATCA TGGCGAATAA CACCTATCCC GCGGACTTCT TGTCCGAAAA
1501 CCTCCGAATC CAGACCAATT TGCTCGACGC AGCTGTCGCC GTGCGTGTGC CGCGGCTCCT
1561 TTTCCTCGGT TCGTCATGCA TCTACCCGAA GTACGCTCCG CAACCTATCC ACGAGAGTGC
1621 TTTATTGACT GGCCCTTTGG AGCCCACCAA CGACGCGTAT GCGATCGCCA AGATCGCCGG
1681 TATCCTGCAA GTTCAGGCGG TTAGGCGCCA ATATGGGCTG GCGTGGATCT CTGCGATGCC
1741 GACTAACCTC TACGGACCCG GCGACAACTT CTCCCCGTCC GGGTCGCATC TCTTGCCGGC
1801 GCTCATCCGT CGATATGAGG AAGCCAAAGC TGGTGGTGCA GAAGAGGTGA CGAATTGGGG
1861 GACCGGTACT CCGCGGCGCG AACTTCTGCA TGTCGACGAT CTGGCGAGCG CATGCCTGTT
1921 CCTTTTGGAA CATTTCGATG GTCCGAACCA CGTCAACGTG GGCACCGGCG TCGATCACAG
1981 CATTAGCGAG ATCGCAGACA TGGTCGCTAC GGCGGTGGGC TACATCGGCG AAACACGTTG
2041 GGATCCAACT AAACCCGATG GAACCCCGCG CAAACTATTG GACGTCTCCG CGCTACGCGA
2101 GTTGGGTTGG CGCCCGCGAA TCGCACTGAA AGACGGCATC GATGCAACGG TGTCGTGGTA
2161 CCGCACAAAT GCCGATGCCG TGAGGAGGTA AAGCTGCGGG CCGGCCGATG TTATCCCTCC
2221 GGCCGGACGG GTAGGGCGAC CTGCCATCGA GTGGTACGGC AGTCGCCTGG CCGGCGAGGC
2281 GCATGGCCTA TGGGAGTATC CCATAGCCTG GCTTGGCTCG CCCCTACGCA TTATCAGTTG
2341 ACCGCTTTCG CGCCAGCTCG CAGGCTCGCG GCAGCATCCC GTTCAGGTCT CCTCATGGTC
2401 CGGTGTGGCA CGACCACGCA AGCTCGAACC GACTCGTTTC CCAATTTCGC ATGCTAATAT
2461 CGCTCGATGG ATTTTTTGCG CAACGCCGGC TTGATGGCTC GTAACGTTAG CACCGAGATG
2521 CTGCGCCACT TCGAACGAAA GCGCCTATTA GTAAACCAAT TCAAAGCATA CGGAGTCAAC
2581 GTTGTTATTG ATGTCGGTGC TAACTCCGGC CAGTTCGGTA GCGCTTTGCG TCGTGCAGGA
2641 TTCAAGAGCC GTATCGTTTC CTTTGAACCT CTTTCGGGGC CATTTGCGCA ACTAACGCGC
2701 GAGTCGGCAT CGGATCCACT ATGGGAGTGT CACCAGTATG CCCTAGGCGA CGCCGATGAG

```
2761 ACGATTACCA TCAATGTGGC AGGCAATGCG GGGGCAAGTA GTTCCGTGCT GCCGATGCTT
2821 AAAAGTCATC AAGATGCCTT TCCTCCCGCG AATTATATTG GCACCGAAGA CGTTGCAATA
2881 CACCGCCTTG ATTCGGTTGC ATCAGAATTT CTGAACCCTA CCGATGTTAC TTTCCTGAAG
2941 ATCGACGTAC AGGGTTTCGA GAAGCAGGTT ATCGCGGGCA GTAAGTCAAC GCTTAACGAA
3001 AGCTGCGTCG GCATGCAACT CGAACTTTCT TTTATTCCGT TGTACGAAGG TGACATGCTG
3061 ATTCATGAAG CGCTTGAACT TGTCTATTCC CTAGGTTTCA GACTGACGGG TTTGTTGCCC
3121 GGATTTACGG ATCCGCGCAA TGGTCGAATG CTTCAAGCTG ACGGCATTTT CTTCCGTGGG
3181 GACGATTGAC ATAAATGCTT GCGTCGGCAC CCTGCCGGTA TCCAAACGGG CGATCTGGTG
3241 AGCCGGCCTC CCGGGCACCT AATCGACTAT CTAAATTGAG GCGGCCGCGA CGTGCGGCAC
3301 GAACAGGTGG CCGGCTGCTA GCGTTACACA CGTCATGACT GCGCCAGTGT TCTCGATAAT
3361 TATCCCTACC TTCAATGCAG CGGTGACGCT GCAAGCCTGC CTCGGAAGCA TCGTCGGGCA
3421 GACCTACCGG GAAGTGGAAG TGGTCCTTGT CGACGGCGGT TCGACCGATC GGACCCTCGA
3481 CATCGCGAAC AGTTTCCGCC CGGAACTCGG CTCGCGACTG GTCGTTCACA GCGGGCCCGA
3541 TGATGGCCCC TACGACGCCA TGAACCGCGG CGTCGGCGTA GCCACAGGCG AATGGGTACT
3601 TTTTTTAGGC GCCGACGACA CCCTCTACGA ACCAACCACG TTGGCCCAGG TAGCCGCTTT
3661 TCTCGGCGAC CATGCGGCAA GCCATCTTGT CTATGGCGAT GTTGTGATGC GTTCGACGAA
3721 AAGCCGGCAT GCCGGACCTT TCGACCTCGA CCGCCTCCTA TTTGAGACGA ATTTGTGCCA
3781 CCAATCGATC TTTTACCGCC GTGAGCTTTT CGACGGCATC GGCCCTTACA ACCTGCGCTA
3841 CCGAGTCTGG GCGGACTGGG ACTTCAATAT TCGCTGCTTC TCCAACCCGG CGCTGATTAC
3901 CCGCTACATG GACGTCGTGA TTTCCGAATA CAACGACATG ACCGGCTTCA GCATGAGGCA
3961 GGGGACTGAT AAAGAGTTCA GAAAACGGCT GCCAATGTAC TTCTGGGTTG CAGGGTGGGA
4021 GACTTGCAGG CGCATGCTGG CGTTTTTGAA AGACAAGGAG AATCGCCGTC TGGCCTTGCG
4081 TACGCGGTTG ATAAGGGTTA AGGCCGTCTC CAAAGAACGA AGCGCAGAAC CGTAGTCGCG
4141 GATCCACATT GGACTTCTTT AACGCGTTTG CGTCCTGATC CACCTTTCAA CCCCGTTCCG
4201 CGTGACGCGG CGCGCAGAGA GTGGTCGCAT ATCGCGTCAC TGTTCTCGTG CCAGTGCTTG
4261 GAAAGCGTCG AGCACTCTGG TTCGCGTTCT TGACGTTCGC GCCCGCCCCT AGAGGTAGCG
4321 TGTCACGTGA CTGAAGCCAA TGAGTGCAAC TCGGCGTCGC GAAAGGTTTC AGTCGCGGTT
4381 GAGCAAGACA CCGCAAGACT ACTGGAGTGC GTGCACAAGC GCCTCCAGCT CACGG
```

Seq. ID No.5

```
   1 atgatcgctg tgatctggtc ggcggtgccg acaggaaccg tcgacttgtc gacgatcacc
  61 ttgtaccggt cgatgtatga cccaatgtcg tccgcaaccg agaagacgta cgtcaggtcc
 121 gccgccccgc tttcacccat gggcgtcggg acggcgatga aaatgacgtc cgcgtgctcg
 181 attccgcgtt gccggtcggt ggtgaagtca atcagcccgt tctcacggtt cctcgcaatc
 241 aactcccaac ccgggctcga aaatcgggac actgcctgcg aggagcaaat cgatcttggc
 301 ctgatcgata tcgacacaga cgacatcgtt gccgctatcc gcgagacagg cgcccgtgac
 361 gaggcctaca tagcctga
```

Seq. ID No.6

```
   1  M I A V I W S A V P T G T V D L S T I T L Y R S M Y D P M S
  31  S A T E K T Y V R S A A P L S P M G V G T A M K M T S A C S
  61  I P R C R S V V K S I S P F S R F L A I N S Q P G L E N R D
  91  T A C E E Q I D L G L I D I D T D D I V A A I R E T G A R D
 121  E A Y I A
```

Seq. ID No.7

```
   1 gtgtcatctg ctccaaccgt gtcggtgata acgatttcgc tgaacgatct cgagggattg
  61 aaaagcaccg tggagagcgt tcgcgcgcag cgctatgggg ggcgaatcga gcacatcgtc
 121 atcgacggtg gatcgggcga cgccgtcgtg gagtatctgt ccggcgatcc tggctttgca
 181 tattggcaat ctcagcccga caacgggaga tatgacgcga tgaatcaggg cattgcccat
 241 tcgtcgggcg acctgttgtg gtttatgcac tccacggatc gtttctccga tccagatgca
 301 gtcgcttccg tggtggaggc gctctcgggg catggaccag tacgtgattt gtggggttac
 361 gggaaaaaca accttgtcgg actcgacggc aaaccacttt tccctcggcc gtacggctat
 421 atgccgttta agatgcggaa atttctgctc ggcgcgacgg ttgcgcatca ggcgacattc
 481 ttcggcgcgt cgctggtagc caagttgggc ggttacgatc ttgattttgg actcgaggcg
 541 gaccagctgt tcatctaccg tgccgcacta atacggcctc ccgtcacgat cgaccgcgtg
 601 gtttgcgact tcgatgtcac gggacctggt tcaacccagc ccatccgtga gcactatcgg
 661 accctgcggc ggctctggga cctgcatggc gactacccgc tgggtgggcg cagagtgtcg
 721 tgggcttact tgcgtgtgaa ggagtacttg attcgggccg acctggccgc attcaacgcg
 781 gtaaagttct tgcgagcgaa gttcgccaga gcttcgcgga agcaaaattc atag
```

Seq. ID No.8

```
   1  V S S A P T V S V I T I S L N D L E G L K S T V E S V R A Q
  31  R Y G G R I E H I V I D G G S G D A V V E Y L S G D P G F A
  61  Y W Q S Q P D N G R Y D A M N Q G I A H S S G D L L W F M H
  91  S T D R F S D P D A V A S V V E A L S G H G P V R D L W G Y
 121  G K N N L V G L D G K P L F P R P Y G Y M P F K M R K F L L
 151  G A T V A H Q A T F F G A S L V A K L G G Y D L D F G L E A
 181  D Q L F I Y R A A L I R P P V T I D R V V C D F D V T G P G
 211  S T Q P I R E H Y R T L R R L W D L H G D Y P L G G R R V S
 241  W A Y L R V K E Y L I R A D L A A F N A V K F L R A K F A R
 271  A S R K Q N S
```

Seq. ID No.9

```
   1 gtgaagcgag cgcttataac agggatcacg gggcaggatg gttcctacct cgccgagcta
  61 ctactgagca agggatacga ggttcacggg ctcgttcgtc gagcttcgac gtttaacacg
 121 tcgcggatcg atcacctcta cgttgaccca caccaaccgg gcgcgcgctt gttcttgcac
 181 tatgcagacc tcactgacgg cacccggttg gtgaccctgc tcagcagtat cgacccggat
 241 gaggtctaca acctcgcagc gcagtcccat gtgcgcgtca gctttgacga gccagtgcat
 301 accggagaca ccaccggcat gggatcgatc cgacttctgg aagcagtccg cctttctcgg
 361 gtggactgcc ggttctatca ggcttcctcg tcggagatgt tcggcgcatc tccgccaccg
 421 cagaacgaat cgacgccgtt ctatccccgt tcgccatacg gcgcggccaa ggtcttctcg
 481 tactggacga ctcgcaacta tcgagaggcg tacggattat tcgcagtgaa tggcatcttg
 541 ttcaaccatg agtccccccg gcgcggcgag actttcgtga cccgaaagat cacgcgtgcc
 601 gtggcgcgca tccgagctgg cgtccaatcg gaggtctata tgggcaacct cgatgcgatc
 661 cgcgactggg gctacgcgcc cgaatatgtc gaggggatgt ggaggatgtt gcaagcgcct
 721 gaacctgatg actacgtcct ggcgacaggg cgtggttaca ccgtacgtga gttcgctcaa
 781 gctgcttttg accatgtcgg gctcgactgg caaaagcgcg tcaagtttga cgaccgctat
 841 ttgcgtccca ccgaggtcga ttcgctagta ggagatgccg acaaggcggc ccagtcactc
 901 ggctggaaag cttcggttca tactggtgaa ctcgcgcgca tcatggtgga cgcggacatc
 961 gccgcgttgg agtgcgatgg cacaccatgg atcgacacgc cgatgttgcc tggttggggc
1021 agagtaagtt ga
```

Seq. ID No.10

```
  1  V K R A L I T G I T G Q D G S Y L A E L L L S K G Y E V H G
 31  L V R R A S T F N T S R I D H L Y V D P H Q P G A R L F L H
 61  Y A D L T D G T R L V T L L S S I D P D E V Y N L A A Q S H
 91  V R V S F D E P V H T G D T T G M G S I R L L E A V R L S R
121  V D C R F Y Q A S S S E M F G A S P P P Q N E S T P F Y P R
151  S P Y G A A K V F S Y W T T R N Y R E A Y G L F A V N G I L
181  F N H E S P R R G E T F V T R K I T R A V A R I R A G V Q S
211  E V Y M G N L D A I R D W G Y A P E Y V E G M W R M L Q A P
241  E P D D Y V L A T G R G Y T V R E F A Q A A F D H V G L D W
271  Q K R V K F D D R Y L R P T E V D S L V G D A D K A A Q S L
301  G W K A S V H T G E L A R I M V D A D I A A L E C D G T P W
331  I D T P M L P G W G R V S
```

Seq. ID No.11

```
   1 gtgaagcgag cgcttataac agggatcacg gggcaggatg gttcctacct cgccgagcta
  61 ctactgagca agggatacga ggttcacggg ctcgttcgtc gagcttcgac gtttaacacg
 121 tcgcggatcg atcacctcta cgttgaccca caccaaccgg gcgcgcgctt gttcttgcac
 181 tatgcagacc tcactgacgg cacccggttg gtgaccctgc tcagcagtat cgacccggat
 241 gaggtctaca acctcgcagc gcagtcccat gtgcgcgtca gctttgacga gccagtgcat
 301 accggagaca ccaccggcat gggatcgatc cgacttctgg aagcagtccg cctttctcgg
 361 gtggactgcc ggttctatca ggcttcctcg tcggagatgt tcggcgcatc tccgccaccg
 421 cagaacgaat cgacgccgtt ctatccccgt tcgccatacg gcgcggccaa ggtcttctcg
 481 tactggacga ctcgcaacta tcgagaggcg tacggattat tcgcagtgaa tggcatcttg
 541 ttcaaccatg agtccccccg gcgcggcgag actttcgtga cccgaaagat cacgcgtgcc
 601 gtggcgcgca tccgagctgg cgtccaatcg gaggtctata tgggcaacct cgatgcgatc
 661 cgcgactggg gctacgcgcc cgaatatgtc gaggggatgt ggaggatgtt gcaagcgcct
 721 gaacctgatg actacgtcct ggcgacaggg cgtggttaca ccgtacgtga gttcgctcaa
 781 gctgcttttg accacgtcgg gctcgactgg caaaagcacg tcaagtttga cgaccgctat
 841 ttgcgcccca ccgaggtcga ttcgctagta ggagatgccg acagggcggc ccagtcactc
 901 ggctggaaag cttcggttca tactggtgaa ctcgcgcgca tcatggtgga cgcggacatc
 961 gccgcgtcgg agtgcgatgg cacaccatgg atcgacacgc cgatgttgcc tggttggggc
1021 ggagtaagtt ga
```

Seq. ID No.12

```
  1  V K R A L I T G I T G Q D G S Y L A E L L L S K G Y E V H G
 31  L V R R A S T F N T S R I D H L Y V D P H Q P G A R L F L H
 61  Y A D L T D G T R L V T L L S S I D P D E V Y N L A A Q S H
 91  V R V S F D E P V H T G D T T G M G S I R L L E A V R L S R
121  V D C R F Y Q A S S S E M F G A S P P P Q N E S T P F Y P R
151  S P Y G A A K V F S Y W T T R N Y R E A Y G L F A V N G I L
181  F N H E S P R R G E T F V T R K I T R A V A R I R A G V Q S
211  E V Y M G N L D A I R D W G Y A P E Y V E G M W R M L Q A P
241  E P D D Y V L A T G R G Y T V R E F A Q A A F D H V G L D W
271  Q K H V K F D D R Y L R P T E V D S L V G D A D R A A Q S L
301  G W K A S V H T G E L A R I M V D A D I A A S E C D G T P W
331  I D T P M L P G W G G V S
```

Seq. ID No.13

```
   1 gtgcgatggc acaccatgga tcgacacgcc gatgttgcct ggttggggca gagtaagttg
  61 acgactacac ctgggcctct ggaccgcgca acgcccgtgt atatcgccgg tcatcggggg
 121 ctggtcggct cagcgctcgt acgtagattt gaggccgagg ggttcaccaa tctcattgtg
 181 cgatcacgcg atgagattga tctgacggac cgagccgcaa cgtttgattt tgtgtctgag
 241 acaagaccac aggtgatcat cgatgcggcc gcacgggtcg gcggcatcat ggcgaataac
 301 acctatcccg cggacttctt gtccgaaaac ctccgaatcc agaccaattt gctcgacgca
 361 gctgtcgccg tgcgtgtgcc gcggctcctt ttcctcggtt cgtcatgcat ctacccgaag
 421 tacgctccgc aacctatcca cgagagtgct ttattgactg gccctttgga gcccaccaac
 481 gacgcgtatg cgatcgccaa gatcgccggt atcctgcaag ttcaggcggt taggcgccaa
 541 tatgggctgg cgtggatctc tgcgatgccg actaacctct acggacccgg cgacaacttc
 601 tccccgtccg ggtcgcatct cttgccggcg ctcatccgtc gatatgagga agccaaagct
 661 ggtggtgcag aagaggtgac gaattggggg accggtactc cgcggcgcga acttctgcat
 721 gtcgacgatc tggcgagcgc atgcctgttc cttttggaac atttcgatgg tccgaaccac
 781 gtcaacgtgg gcaccggcgt cgatcacagc attagcgaga tcgcagacat ggtcgctaca
 841 gcggtgggct acatcggcga aacacgttgg gatccaacta aacccgatgg aaccccgcgc
 901 aaactattgg acgtctccgc gctacgcgag ttgggttggc gcccgcgaat cgcactgaaa
 961 gacggcatcg atgcaacggt gtcgtggtac cgcacaaatg ccgatgccgt gaggaggtaa
```

Seq. ID No.14

```
   1  V R W H T M D R H A D V A W L G Q S K L T T T P G P L D R A
  31  T P V Y I A G H R G L V G S A L V R R F E A E G F T N L I V
  61  R S R D E I D L T D R A A T F D F V S E T R P Q V I I D A A
  91  A R V G G I M A N N T Y P A D F L S E N L R I Q T N L L D A
 121  A V A V R V P R L L F L G S S C I Y P K Y A P Q P I H E S A
 151  L L T G P L E P T N D A Y A I A K I A G I L Q V Q A V R R Q
 181  Y G L A W I S A M P T N L Y G P G D N F S P S G S H L L P A
 211  L I R R Y E E A K A G G A E E V T N W G T G T P R R E L L H
 241  V D D L A S A C L F L L E H F D G P N H V N V G T G V D H S
 271  I S E I A D M V A T A V G Y I G E T R W D P T K P D G T P R
 301  K L L D V S A L R E L G W R P R I A L K D G I D A T V S W Y
 331  R T N A D A V R R
```

Seq. ID No.15

```
   1 gtgcgatggc acaccatgga tcgacacgcc gatgttgcct ggttggggcg gagtaagttg
  61 acgactacac ctgggcctct ggaccgcgca acgcccgtgt atatcgccgg tcatcggggg
 121 ctggtcggct cagcgctcgt acgtagattt gaggccgagg ggttcaccaa tctcattgtg
 181 cgatcacgcg atgagattga tctgacggac cgagccgcaa cgtttgattt tgtgtctgag
 241 acaagaccac aggtgatcat cgatgcggcc gcacgggtcg gcggcatcat ggcgaataac
 301 acctatcccg cggacttctt gtccgaaaac ctccgaatcc agaccaattt gctcgacgca
 361 gctgtcgccg tgcgtgtgcc gcggctcctt ttcctcggtt cgtcatgcat ctacccgaag
 421 tacgctccgc aacctatcca cgagagtgct ttattgactg gccctttgga gcccaccaac
 481 gacgcgtatg cgatcgccaa gatcgccggt atcctgcaag ttcaggcggt taggcgccaa
 541 tatgggctgg cgtggatctc tgcgatgccg actaacctct acggacccgg cgacaacttc
 601 tccccgtccg ggtcgcatct cttgccggcg ctcatccgtc gatatgagga agccaaagct
 661 ggtggtgcag aagaggtgac gaattggggg accggtactc cgcggcgcga acttctgcat
 721 gtcgacgatc tggcgagcgc atgcctgttc cttttggaac atttcgatgg tccgaaccac
 781 gtcaacgtgg gcaccggcgt cgatcacagc attagcgaga tcgcagacat ggtcgctacg
 841 gcggtgggct acatcggcga aacacgttgg gatccaacta aacccgatgg aaccccgcgc
 901 aaactattgg acgtctccgc gctacgcgag ttgggttggc gcccgcgaat cgcactgaaa
 961 gacggcatcg atgcaacggt gtcgtggtac cgcacaaatg ccgatgccgt gaggaggtaa
```

Seq. ID No.16

```
   1  V R W H T M D R H A D V A W L G R S K L T T T P G P L D R A
  31  T P V Y I A G H R G L V G S A L V R R F E A E G F T N L I V
  61  R S R D E I D L T D R A A T F D F V S E T R P Q V I I D A A
  91  A R V G G I M A N N T Y P A D F L S E N L R I Q T N L L D A
 121  A V A V R V P R L L F L G S S C I Y P K Y A P Q P I H E S A
 151  L L T G P L E P T N D A Y A I A K I A G I L Q V Q A V R R Q
 181  Y G L A W I S A M P T N L Y G P G D N F S P S G S H L L P A
 211  L I R R Y E E A K A G G A E E V T N W G T G T P R R E L L H
 241  V D D L A S A C L F L L E H F D G P N H V N V G T G V D H S
 271  I S E I A D M V A T A V G Y I G E T R W D P T K P D G T P R
 301  K L L D V S A L R E L G W R P R I A L K D G I D A T V S W Y
 331  R T N A D A V R R
```

Seq. ID No.17

```
   1 atggattttt tgcgcaacgc cggcttgatg gctcgtaacg ttagtaccga gatgctgcgc
  61 cacttcgaac gaaagcgcct attagtaaac caattcaaag catacggagt caacgttgtt
 121 attgatgtcg gtgctaactc cggccagttc ggtagcgctt tgcgtcgtgc aggattcaag
 181 agccgtatcg tttcctttga acctctttcg gggccatttg cgcaactaac gcgcaagtcg
 241 gcatcggatc cactatggga gtgtcaccag tatgccctag gcgacgccga tgagacgatt
 301 accatcaatg tggcaggcaa tgcgggggca agtagttccg tgctgccgat gcttaaaagt
 361 catcaagatg cctttcctcc cgcgaattat attggcaccg aagacgttgc aatacaccgc
 421 cttgattcgg ttgcatcaga atttctgaac cctaccgatg ttacttttcct gaagatcgac
 481 gtacagggtt tcgagaagca ggttatcacg ggcagtaagt caacgcttaa cgaaagctgc
 541 gtcggcatgc aactcgaact ttcttttatt ccgttgtacg aaggtgacat gctgattcat
 601 gaagcgcttg aacttgtcta ttccctaggt ttcagactga cgggtttgtt gcccggcttt
 661 acggatccgc gcaatggtcg aatgcttcaa gctgacggca ttttcttccg tggggacgat
 721 tga
```

Seq. ID No.18

```
  1  M D F L R N A G L M A R N V S T E M L R H F E R K R L L V N
 31  Q F K A Y G V N V V I D V G A N S G Q F G S A L R R A G F K
 61  S R I V S F E P L S G P F A Q L T R K S A S D P L W E C H Q
 91  Y A L G D A D E T I T I N V A G N A G A S S S V L P M L K S
121  H Q D A F P P A N Y I G T E D V A I H R L D S V A S E F L N
151  P T D V T F L K I D V Q G F E K Q V I T G S K S T L N E S C
181  V G M Q L E L S F I P L Y E G D M L I H E A L E L V Y S L G
211  F R L T G L L P G F T D P R N G R M L Q A D G I F F R G D D
```

Seq. ID No.19

```
   1 atggattttt tgcgcaacgc cggcttgatg gctcgtaacg ttagcaccga gatgctgcgc
  61 cacttcgaac gaaagcgcct attagtaaac caattcaaag catacggagt caacgttgtt
 121 attgatgtcg gtgctaactc cggccagttc ggtagcgctt tgcgtcgtgc aggattcaag
 181 agccgtatcg tttcctttga acctctttcg gggccatttg cgcaactaac gcgcgagtcg
 241 gcatcggatc cactatggga gtgtcaccag tatgccctag gcgacgccga tgagacgatt
 301 accatcaatg tggcaggcaa tgcgggggca agtagttccg tgctgccgat gcttaaaagt
 361 catcaagatg cctttcctcc cgcgaattat attggcaccg aagacgttgc aatacaccgc
 421 cttgattcgg ttgcatcaga atttctgaac cctaccgatg ttacttttcct gaagatcgac
 481 gtacagggtt tcgagaagca ggttatcgcg ggcagtaagt caacgcttaa cgaaagctgc
 541 gtcggcatgc aactcgaact ttcttttatt ccgttgtacg aaggtgacat gctgattcat
 601 gaagcgcttg aacttgtcta ttccctaggt ttcagactga cgggtttgtt gcccggattt
 661 acggatccgc gcaatggtcg aatgcttcaa gctgacggca ttttcttccg tggggacgat
 721 tga
```

Seq. ID No.20

```
  1  M D F L R N A G L M A R N V S T E M L R H F E R K R L L V N
 31  Q F K A Y G V N V V I D V G A N S G Q F G S A L R R A G F K
 61  S R I V S F E P L S G P F A Q L T R E S A S D P L W E C H Q
 91  Y A L G D A D E T I T I N V A G N A G A S S S V L P M L K S
121  H Q D A F P P A N Y I G T E D V A I H R L D S V A S E F L N
151  P T D V T F L K I D V Q G F E K Q V I A G S K S T L N E S C
181  V G M Q L E L S F I P L Y E G D M L I H E A L E L V Y S L G
211  F R L T G L L P G F T D P R N G R M L Q A D G I F F R G D D
```

Seq. ID No.21

```
   1 atgactgcgc cagtgttctc gataattatc cctaccttca atgcagcggt gacgctgcaa
  61 gcctgcctcg gaagcatcgt cgggcagacc taccgggaag tggaagtggt ccttgtcgac
 121 ggcggttcga ccgatcggac cctcgacatc gcgaacagtt tccgcccgga actcggctcg
 181 cgactggtcg ttcacagcgg gcccgatgat ggcccctacg acgccatgaa ccgcggcgtc
 241 ggcgtggcca caggcgaatg ggtacttttt ttaggcgccg acgacaccct ctacgaacca
 301 accacgttgg cccaggtagc cgcttttctc ggcgaccatg cggcaagcca tcttgtctat
 361 ggcgatgttg tgatgcgttc gacgaaaagc cggcatgccg gacctttcga cctcgaccgc
 421 ctcctatttg agacgaattt gtgccaccaa tcgatctttt accgccgtga gcttttcgac
 481 ggcatcggcc cttacaacct gcgctaccga gtctgggcgg actgggactt caatattcgc
 541 tgcttctcca acccggcgct gattacccgc tacatggacg tcgtgatttc cgaatacaac
 601 gacatgaccg gcttcagcat gaggcagggg actgataaag agttcagaaa acggctgcca
 661 atgtacttct gggttgcagg gtgggagact tgcaggcgca tgctggcgtt tttgaaagac
 721 aaggagaatc gccgtctggc cttgcgtacg cggttgataa gggttaaggc cgtctccaaa
 781 gaacgaagcg cagaaccgta g
```

Seq. ID No.22

```
   1  M T A P V F S I I I P T F N A A V T L Q A C L G S I V G Q T
  31  Y R E V E V V L V D G G S T D R T L D I A N S F R P E L G S
  61  R L V V H S G P D D G P Y D A M N R G V G V A T G E W V L F
  91  L G A D D T L Y E P T T L A Q V A A F L G D H A A S H L V Y
 121  G D V V M R S T K S R H A G P F D L D R L L F E T N L C H Q
 151  S I F Y R R E L F D G I G P Y N L R Y R V W A D W D F N I R
 181  C F S N P A L I T R Y M D V V I S E Y N D M T G F S M R Q G
 211  T D K E F R K R L P M Y F W V A G W E T C R R M L A F L K D
 241  K E N R R L A L R T R L I R V K A V S K E R S A E P
```

Seq. ID No.23

```
   1 atgactgcgc cagtgttctc gataattatc cctaccttca atgcagcggt gacgctgcaa
  61 gcctgcctcg gaagcatcgt cgggcagacc taccgggaag tggaagtggt ccttgtcgac
 121 ggcggttcga ccgatcggac cctcgacatc gcgaacagtt tccgcccgga actcggctcg
 181 cgactggtcg ttcacagcgg gcccgatgat ggcccctacg acgccatgaa ccgcggcgtc
 241 ggcgtagcca caggcgaatg ggtacttttt ttaggcgccg acgacaccct ctacgaacca
 301 accacgttgg cccaggtagc cgcttttctc ggcgaccatg cggcaagcca tcttgtctat
 361 ggcgatgttg tgatgcgttc gacgaaaagc cggcatgccg gacctttcga cctcgaccgc
 421 ctcctatttg agacgaattt gtgccaccaa tcgatctttt accgccgtga gcttttcgac
 481 ggcatcggcc cttacaacct gcgctaccga gtctgggcgg actgggactt caatattcgc
 541 tgcttctcca acccggcgct gattacccgc tacatggacg tcgtgatttc cgaatacaac
 601 gacatgaccg gcttcagcat gaggcagggg actgataaag agttcagaaa acggctgcca
 661 atgtacttct gggttgcagg gtgggagact tgcaggcgca tgctggcgtt tttgaaagac
 721 aaggagaatc gccgtctggc cttgcgtacg cggttgataa gggttaaggc cgtctccaaa
 781 gaacgaagcg cagaaccgta g
```

Seq. ID No.24

```
  1  M T A P V F S I I I P T F N A A V T L Q A C L G S I V G Q T
 31  Y R E V E V V L V D G G S T D R T L D I A N S F R P E L G S
 61  R L V V H S G P D D G P Y D A M N R G V G V A T G E W V L F
 91  L G A D D T L Y E P T T L A Q V A A F L G D H A A S H L V Y
121  G D V V M R S T K S R H A G P F D L D R L L F E T N L C H Q
151  S I F Y R R E L F D G I G P Y N L R Y R V W A D W D F N I R
181  C F S N P A L I T R Y M D V V I S E Y N D M T G F S M R Q G
211  T D K E F R K R L P M Y F W V A G W E T C R R M L A F L K D
241  K E N R R L A L R T R L I R V K A V S K E R S A E P
```

Seq. ID No.25

```
   1 gtggccagca gaagtcccca ctccgctgcg ggtggttggc taattcttgg cggctccctt
  61 cttgtggtcg gcgtggcgca tccggtagga ctcgccggag gtgacgacga tgctggcgtg
 121 gtgcagcagc cgatcgagga tgctggcggc ggtggtgtgc tcgggcagga atcgccccca
 181 ttgttcgaag ggccaatgcg aggcgatggc cagggagcgg cgctcgtagc cggcagccac
 241 gagccggaac aacagttgag tcccggtgtc gtcgagcggg gcgaagccga tctcgtccaa
 301 gatgaccaga tccgcgcgga gcagggtgtc gatgatcttg ccgacggtgt tgtcggccag
 361 gccgcggtag aggacctcga tcaggtcggc ggcggtgaag tagcggactt tgaatccggc
 421 gtggacggca gcgtgcccgc agccgatgag caggtgactt ttgcccgtac caggtgggcc
 481 aatgaccgcc aggttctgtt gtgcccgaat ccattccagg ctcgacaggt agtcgaacgt
 541 ggctgcggtg atcgacgatc cggtgacgtc gaacccgtcg agggtcttgg tgaccgggaa
 601 ggctgcggcc ttgagacggt tggcggtgtt ggaggcatcg cgggcagcga tctcggcctc
 661 aaccaacgtc cgcaggatct cctccggtgt ccagcgttgc gtcttggcga cttgcaacac
 721 ctcggcggcg ttgcggcgca ccgtggccag cttcaaccgc cgcagcgccg cgtcaaggtc
 781 agcagccagc ggtgccgccg aggacggtgc caccggcttg gcagcggtgg tcatgaggcc
 841 gtcccgtcgg tggtgttgat cttgtag
```

Seq. ID No.26

```
  1  V A S R S P H S A A G G W L I L G G S L L V V G V A H P V G
 31  L A G G D D D A G V V Q Q P I E D A G G G G V L G Q E S P P
 61  L F E G P M R G D G Q G A A L V A G S H E P E Q Q L S P G V
 91  V E R G E A D L V Q D D Q I R A E Q G V D D L A D G V V G Q
121  A A V E D L D Q V G G G E V A D F E S G V D G S V P A A D E
151  Q V T F A R T R W A N D R Q V L L C P N P F Q A R Q V V E R
181  G C G D R R S G D V E P V E G L G D R E G C G L E T V G G V
211  G G I A G S D L G L N Q R P Q D L L R C P A L R L G D L Q H
241  L G G V A A H R G Q L Q P P Q R R V K V S S Q R C R R G R C
271  H R L G S G G H E A V P S V V L I L
```

Seq. ID No.27

```
   1 atgggctgcc tcaaaggtgg tgtcgtcgcc aatgttgttg ttccaacacc ggattatgtg
  61 cgattcgcgt cccactatgg cttcgttccg gacttctgcc acggtgcgga tccgcaatcg
 121 aagggcatcg tggagaacct ctgtggctac gctcaggacg accttgcggt gccgctgctg
 181 accgaagctg cgttagccgg tgagcaggtc gacctacgtg ccctcaacgc ccaggcgcaa
 241 ctatggtgcg ccgaggtcaa tgccacggtc cactcggaga tctgcgccgt gcccaacgat
 301 cgcttggttg acgagcgcac cgtcttgagg gagctgccct cgctgcggcc gacgatcggc
 361 tcggggtcgg tgcgccgtaa ggtcgacggc ctctcgtgca tccgttacgg ctcagctcgt
 421 tactcggtgc ctcagcggct cgtcggtgcc accgtggcgg tggtggtcga tcatggcgcc
 481 ctgatcctgt tggaacctgc gaccggtgtg atcgtggccg agcacgagct cgtcagccca
 541 ggtgaggtgt ccatcctcga tgaacactac gacggaccca gacccgcacc ctcgcgtggt
 601 cctcgcccga aaacccaagc agagaaacga ttctgcgcat tgggaaccga agcgcagcag
 661 ttcctcgtcg gtgctgctgc gatcggcaac acccgactga aatccgaact cgacattctg
 721 ctcggccttg gcgccgccca cggcgaacag gctttgattg acgcgctgcg ccgggcggtt
 781 gcgtttcgcc ggttccgcgc tgccgacgtg cgctcgatcc tggccgccgg cgccggcacc
 841 ccacaacccc gccccgccgg cgacgcactc gtgctcgatc tgcccaccgt cgagacccgc
 901 tcgttggagg cctacaagat caacaccacc gacgggacgg cctcatgacc accgctgcca
 961 agccggtggc accgtcctcg gcggcaccgc tggctgctga ccttgacgcg gcgctgcggc
1021 ggttgaagct ggccacggtg cgccgcaacg ccgccgaggt gttgcaagtc gccaagacgc
1081 aacgctggac accggaggag atcctgcgga cgttggttga ggccgagatc gctgcccgcg
1141 atgcctccaa caccgccaac cgtctcaagg ccgcagcctt cccggtcacc aagaccctcg
1201 acgggttcga cgtcaccgga tcgtcgatca ccgcagccac gttcgactac ctgtcgagcc
1261 tggaatggat tcgggcacaa cagaacctgg cggtcattgg cccacctggt acgggcaaaa
1321 gtcacctgct catcggctgc gggcacgctg ccgtccacgc cggattcaaa gtccgctact
1381 tcaccgccgc cgacctgatc gaggtcctct accgcggcct ggccgacaac accgtcggca
1441 agatcatcga caccctgctc cgcgcggatc tggtcatctt ggacgagatc ggcttcgccc
1501 cgctcgacga caccgggact caactgttgt tccggctcgt ggctgccggc tacgagcgcc
1561 gctccctggc catcgcctcg cattggccct tcgaacaatg ggggcgattc ctgcccgagc
1621 acaccaccgc cgccagcatc ctcgatcggc tgctgcacca cgccagcatc gtcgtcacct
1681 ccggcgagtc ctaccggatg cgccacgccg accacaagaa gggagccgcc aagaattag
```

Seq. ID No.28

```
   1 M G C L K G G V V A N V V V P T P D Y V R F A S H Y G F V P
  31 D F C H G A D P Q S K G I V E N L C G Y A Q D D L A V P L L
  61 T E A A L A G E Q V D L R A L N A Q A Q L W C A E V N A T V
  91 H S E I C A V P N D R L V D E R T V L R E L P S L R P T I G
 121 S G S V R R K V D G L S C I R Y G S A R Y S V P Q R L V G A
 151 T V A V V V D H G A L I L L E P A T G V I V A E H E L V S P
 181 G E V S I L D E H Y D G P R P A P S R G P R P K T Q A E K R
 211 F C A L G T E A Q Q F L V G A A A I G N T R L K S E L D I L
 241 L G L G A A H G E Q A L I D A L R R A V A F R R F R A A D V
 271 R S I L A A G A G T P Q P R P A G D A L V L D L P T V E T R
 301 S L E A Y K I N T T D G T A S
```

Seq. ID No.29

```
  1  M T T A A K P V A P S S A A P L A A D L D A A L R R L K L A
 31  T V R R N A A E V L Q V A K T Q R W T P E E I L R T L V E A
 61  E I A A R D A S N T A N R L K A A A F P V T K T L D G F D V
 91  T G S S I T A A T F D Y L S S L E W I R A Q Q N L A V I G P
121  P G T G K S H L L I G C G H A A V H A G F K V R Y F T A A D
151  L I E V L Y R G L A D N T V G K I I D T L L R A D L V I L D
181  E I G F A P L D D T G T Q L L F R L V A A G Y E R R S L A I
211  A S H W P F E Q W G R F L P E H T T A A S I L D R L L H H A
241  S I V V T S G E S Y R M R H A D H K K G A A K N
```

Seq. ID No.30

```
   1 gtgacgtctg ctccgaccgt ctcggtgata acgatctcgt tcaacgacct cgacgggttg
  61 cagcgcacgg tgaaaagtgt gcgggcgcaa cgctaccggg gacgcatcga gcacatcgta
 121 atcgacggtg gcagcggcga cgacgtggtg gcatacctgt ccgggtgtga accaggcttc
 181 gcgtattggc agtccgagcc cgacggcggg cggtacgacg cgatgaacca gggcatcgcg
 241 cacgcatcgg gtgatctgtt gtggttcttg cactccgccg atcgtttttc cgggcccgac
 301 gtggtagccc aggccgtgga ggcgctatcc ggcaagggac cggtgtccga attgtggggc
 361 ttcgggatgg atcgtctcgt cgggctcgat cgggtgcgcg gcccgatacc tttcagcctg
 421 cgcaaattcc tggccggcaa gcaggttgtt ccgcatcaag catcgttctt cggatcatcg
 481 ctggtggcca agatcggtgg ctacgacctt gatttcggga tcgccgccga ccaggaattc
 541 atattgcggg ccgcgctggt atgcgagccg gtcacgattc ggtgtgtgct gtgcgagttc
 601 gacaccacgg gcgtcggctc gcaccgggaa ccaagcgcgg tcttcggtga tctgcgccgc
 661 atgggcgacc ttcatcgccg ctacccgttc gggggaaggc gaatatcaca tgcctaccta
 721 cgcggccggg agttctacgc ctacaacagt cgattctggg aaaacgtctt cacgcgaatg
 781 tcgaaatag
```

Seq. ID No.31

```
  1  M T S A P T V S V I T I S F N D L D G L Q R T V K S V R A Q
 31  R Y R G R I E H I V I D G G S G D D V V A Y L S G C E P G F
 61  A Y W Q S E P D G G R Y D A M N Q G I A H A S G D L L W F L
 91  H S A D R F S G P D V V A Q A V E A L S G K G P V S E L W G
121  F G M D R L V G L D R V R G P I P F S L R K F L A G K Q V V
151  P H Q A S F F G S S L V A K I G G Y D L D F G I A A D Q E F
181  I L R A A L V C E P V T I R C V L C E F D T T G V G S H R E
211  P S A V F G D L R R M G D L H R R Y P F G G R R I S H A Y L
241  R G R E F Y A Y N S R F W E N V F T R M S K
```

Seq. ID No.32

```
   1 gtgaagcgag cgctcatcac cggaatcacc ggccaggacg gctcgtatct cgccgaactg
  61 ctgctggcca aggggtatga ggttcacggg ctcatccggc gcgcttcgac gttcaacacc
 121 tcgcggatcg atcacctcta cgtcgacccg caccaaccgg gcgcgcggct gtttctgcac
 181 tatggtgacc tgatcgacgg aacccggttg gtgaccctgc tgagcaccat cgaacccgac
 241 gaggtgtaca acctggcggc gcagtcacac gtgcgggtga gcttcgacga acccgtgcac
 301 accggtgaca ccaccggcat gggatccatg cgactgctgg aagccgttcg gctctctcgg
 361 gtgcactgcc gcttctatca ggcgtcctcg tcggagatgt tcggcgcctc gccgccaccg
 421 cagaacgagc tgacgccgtt ctacccgcgg tcaccgtatg gcgccgccaa ggtctattcg
 481 tactgggcga cccgcaatta tcgcgaagcg tacggattgt tcgccgttaa cggcatcttg
 541 ttcaatcacg aatcaccgcg gcgcggtgag acgttcgtga cccgaaagat caccagggcc
 601 gtggcacgca tcaaggccgg tatccagtcc gaggtctata tgggcaatct ggatgcggtc
 661 cgcgactggg ggtacgcgcc cgaatacgtc gaaggcatgt ggcggatgct gcagaccgac
 721 gagcccgacg acttcgtttt ggcgaccggg cgcggtttca ccgtgcgtga gttcgcgcgg
 781 gccgcgttcg agcatgccgg tttggactgg cagcagtacg tgaaattcga ccaacgctat
 841 ctgcggccca ccgaggtgga ttcgctgatc ggcgacgcga ccaaggctgc cgaattgctg
 901 ggctggaggg cttcggtgca cactgacgag ttggctcgga tcatggtcga cgcggacatg
 961 gcggcgctgg agtgcgaagg caagccgtgg atcgacaagc cgatgatcgc cggccggaca
1021 tga
```

Seq. ID No.33

```
   1  M K R A L I T G I T G Q D G S Y L A E L L L A K G Y E V H G
  31  L I R R A S T F N T S R I D H L Y V D P H Q P G A R L F L H
  61  Y G D L I D G T R L V T L L S T I E P D E V Y N L A A Q S H
  91  V R V S F D E P V H T G D T T G M G S M R L L E A V R L S R
 121  V H C R F Y Q A S S S E M F G A S P P P Q N E L T P F Y P R
 151  S P Y G A A K V Y S Y W A T R N Y R E A Y G L F A V N G I L
 181  F N H E S P R R G E T F V T R K I T R A V A R I K A G I Q S
 211  E V Y M G N L D A V R D W G Y A P E Y V E G M W R M L Q T D
 241  E P D D F V L A T G R G F T V R E F A R A A F E H A G L D W
 271  Q Q Y V K F D Q R Y L R P T E V D S L I G D A T K A A E L L
 301  G W R A S V H T D E L A R I M V D A D M A A L E C E G K P W
 331  I D K P M I A G R T
```

Seq. ID No.34

```
   1 atgaggctgg cccgtcgcgc tcggaacatc ttgcgtcgca acggcatcga ggtgtcgcgc
  61 tactttgccg aactggactg ggaacgcaat ttcttgcgcc aactgcaatc gcatcgggtc
 121 agtgccgtgc tcgatgtcgg ggccaattcg gggcagtacg ccaggggtct gcgcggcgcg
 181 ggcttcgcgg gccgcatcgt ctcgttcgag ccgctgcccg ggccctttgc cgtcttgcag
 241 cgcagcgcct ccacggaccc gttgtgggaa tgccggcgct gtgcgctggg cgatgtcgat
 301 ggaaccatct cgatcaacgt cgccggcaac gagggcgcca gcagttccgt cttgccgatg
 361 ttgaaacgac atcaggacgc ctttccacca gccaactacg tgggcgccca acgggtgccg
 421 atacatcgac tcgattccgt ggctgcagac gttctgcggc ccaacgatat tgcgttcttg
 481 aagatcgacg ttcaaggatt cgagaagcag gtgatcgcgg gtggcgattc aacggtgcac
 541 gaccgatgcg tcggcatgca gctcgagctg tctttccagc cgttgtacga gggtggcatg
 601 ctcatccgcg aggcgctcga tctcgtggat tcgttgggct ttacgctctc gggattgcaa
 661 cccggtttca ccgacccccg caacggtcga atgctgcagg ccgatggcat cttcttccgg
 721 ggcagcgatt ga
```

Seq. ID No.35

```
   1  M R L A R R A R N I L R R N G I E V S R Y F A E L D W E R N
  31  F L R Q L Q S H R V S A V L D V G A N S G Q Y A R G L R G A
  61  G F A G R I V S F E P L P G P F A V L Q R S A S T D P L W E
  91  C R R C A L G D V D G T I S I N V A G N E G A S S S V L P M
 121  L K R H Q D A F P P A N Y V G A Q R V P I H R L D S V A A D
 151  V L R P N D I A F L K I D V Q G F E K Q V I A G G D S T V H
 181  D R C V G M Q L E L S F Q P L Y E G G M L I R E A L D L V D
 211  S L G F T L S G L Q P G F T D P R N G R M L Q A D G I F F R
 241  G S D
```

Seq. ID No.36

```
   1 gtgaaatcgt tgaaactcgc tcgtttcatc gcgcgtagcg ccgccttcga ggtttcgcgc
  61 cgctattctg agcgagacct gaagcaccag tttgtgaagc aactcaaatc gcgtcgggta
 121 gatgtcgttt tcgatgtcgg cgccaactca ggacaatacg ccgccggcct ccgccgagca
 181 gcatataagg gccgcattgt ctcgttcgaa ccgctatccg gaccgtttac gatcttggaa
 241 agcaaagcgt caacggatcc actttgggat tgccggcagc atgcgttggg cgattctgat
 301 ggaacggtta cgatcaatat cgcaggaaac gccggtcaga gcagttccgt cttgcccatg
 361 ctgaaaagtc atcagaacgc ttttccccccg gcaaactatg tcggtaccca agaggcgtcc
 421 atacatcgac ttgattccgt ggcgccagaa tttctaggca tgaacggtgt cgcttttctc
 481 aaggtcgacg ttcaaggctt tgaaaagcag gtgctcgccg ggggcaaatc aaccatagat
 541 gaccattgcg tcggcatgca actcgaactg tccttcctgc cgttgtacga aggtggcatg
 601 ctcattcctg aagccctcga tctcgtgtat tccttgggct tcacgttgac gggattgctg
 661 ccttgtttca ttgatgcaaa taatggtcga atgttgcagg ccgacggcat ctttttccgc
 721 gaggacgatt ga
```

Seq. ID No.37

```
   1  M K S L K L A R F I A R S A A F E V S R R Y S E R D L K H Q
  31  F V K Q L K S R R V D V V F D F T V G A N S G Q Y A A G L R
  61  R A A Y K G R I V S F E P L S G P F T I L E S K A S T D P L
  91  W D C R Q H A L G D S D G T V T I N I A G N A G Q S S S V L
 121  P M L K S H Q N A F P P A N Y V G T Q E A S I H R L D S V A
 151  P E F L G M N G V A F L K V D V Q G F E K Q V L A G G K S T
 181  I D D H C V G M Q L E L S F L P L Y E G G M L I P E A L D L
 211  V Y S L G F T L T G L L P C F I D A N N G R M L Q A D G I F
 241  F R E D D
```

Seq. ID No.38

```
   1 atggtgcaga cgaaacgata cgccggcttg accgcagcta acacaaagaa agtcgccatg
  61 gccgcaccaa tgttttcgat catcatcccc accttgaacg tggctgcggt attgcctgcc
 121 tgcctcgaca gcatcgcccg tcagacctgc ggtgacttcg agctggtact ggtcgacggc
 181 ggctcgacgg acgaaaccct cgacatcgcc aacattttcg cccccaacct cggcgagcgg
 241 ttgatcattc atcgcgacac cgaccagggc gtctacgacg ccatgaaccg cggcgtggac
 301 ctggccaccg gaacgtggtt gctctttctg ggcgcggacg acagcctgta cgaggctgac
 361 accctggcgc gggtggccgc cttcattggc gaacacgagc ccagcgatct ggtatatggc
 421 gacgtgatca tgcgctcaac caatttccgc tggggtggcg ccttcgacct cgaccgtctg
 481 ttgttcaagc gcaacatctg ccatcaggcg atcttctacc gccgcggact cttcggcacc
 541 atcggtccct acaacctccg ctaccgggtc ctggccgact gggacttcaa tattcgctgc
 601 ttttccaacc cagcgctcgt cacccgctac atgcacgtgg tcgttgcaag ctacaacgaa
 661 ttcggcgggc tcagcaatac gatcgtcgac aaggagtttt tgaagcggct gccgatgtcc
 721 acgagactcg gcataaggct ggtcatagtt ctggtgcgca ggtggccaaa ggtgatcagc
 781 agggccatgg taatgcgcac cgtcatttct tggcggcgcc gacgttag
```

Seq. ID No.39

```
   1  M V Q T K R Y A G L T A A N T K K V A M A A P M F S I I I P
  31  T L N V A A V L P A C L D S I A R Q T C G D F E L V L V D G
  61  G S T D E T L D I A N I F A P N L G E R L I I H R D T D Q G
  91  V Y D A M N R G V D L A T G T W L L F L G A D D S L Y E A D
 121  T L A R V A A F I G E H E P S D L V Y G D V I M R S T N F R
 151  W G G A F D L D R L L F K R N I C H Q A I F Y R R G L F G T
 181  I G P Y N L R Y R V L A D W D F N I R C F S N P A L V T R Y
 211  M H V V V A S Y N E F G G L S N T I V D K E F L K R L P M S
 241  T R L G I R L V I V L V R R W P K V I S R A M V M R T V I S
 271  W R R R R
```

Seq 40:

GATGCCGTGAGGAGGTAAAGCTGC

Seq 41:

GATACGGCTCTTGAATCCTGCACG